

**A RESOLUTION
BY CITY UTILITIES COMMITTEE**

07-*R*-1701

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A NOTICE TO PROCEED TO SHAW ENVIRONMENTAL, INC/AIM, PLC FOR FC-7619-03F, CITY WIDE ANNUAL CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES, COMBINED SEWER OVERFLOW (CSO) MONITORING, SAMPLING AND REPORTING ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, IN AN AMOUNT NOT TO EXCEED THREE HUNDRED ELEVEN THOUSAND NINE HUNDRED EIGHTY DOLLARS AND NO CENTS (\$311,980.00); ALL CONTRACTED WORK WILL BE CHARGED TO AND PAID FROM FUND, ACCOUNT AND CENTER NUMBER 2J01 (WATER & WASTEWATER REVENUE FUND) 523001 (SEWER/REPAIR/MAINTENANCE CONTRACT) Q31001 (WATERSHED SECURITY); AND FOR OTHER PURPOSES.

WHEREAS, the City of Atlanta ("City") did enter into FC-7619-03F, Annual Contract for Architectural and Engineering Services with Shaw Environmental, Inc/Aim, PLC ("Contractor") for FC-7619-03F, City Wide Annual Contract for Architectural and Engineering Services, Combined Sewer Overflow (CSO) Monitoring, Sampling and Reporting on behalf of the Department of Watershed Management; and

WHEREAS, the Commissioner of the Department of Watershed Management requires Architectural and Engineering Services to provide the necessary personnel, equipment and supplies to monitor, sample and report on the overflow events that occur at the City of Atlanta CSO facilities for the purpose of compliance with permits issued by the Georgia Environmental Protection Division and that a Notice to Proceed be issued; and

WHEREAS, the Commissioner of the Department of Watershed Management and the Chief Procurement Officer have recommended that a Notice to Proceed be issued for FC-7619-03F to provide Architectural and Engineering Services to the City of Atlanta.

THE CITY COUNCIL OF THE CITY OF ATLANTA, GEORGIA, HEREBY RESOLVES, that the Mayor is authorized to issue a Notice to Proceed to Shaw Environmental, Inc/Aim, PLC for FC-7619-03F, City Wide Annual Contract for Architectural and Engineering Services, Combined Sewer Overflow (CSO) Monitoring, Sampling and Reporting on behalf of the Department of Watershed Management in an amount not to exceed Three Hundred Eleven Thousand Nine Hundred Eighty Dollars and No Cents (\$311,980.00).

BE IT FURTHER RESOLVED, that the Chief Procurement Officer is hereby directed to prepare an appropriate agreement for execution by the Mayor.

BE IT FURTHER RESOLVED, that this Notice to Proceed will not become binding on the City and the City will incur no obligation or liability under it until it has been executed by the Mayor, attested to by the Municipal Clerk, approved as to form by the City Attorney and delivered to the Contractor.

BE IT FINALLY RESOLVED, that all contracted work for will be charged to and paid from Fund, Account and Center Number 2J01 (Water & Wastewater Revenue Fund) 523001 (Sewer/Repair/Maintenance Contract) Q31001 (Watershed Security).

Part II: Legislative White Paper

A. To be completed by Legislative Counsel:

Committee of Purview: City Utilities Committee

Caption: A RESOLUTION
BY CITY UTILITIES COMMITTEE

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A NOTICE TO PROCEED TO SHAW ENVIRONMENTAL, INC/AIM, PLC FOR FC-7619-03F, CITY WIDE ANNUAL CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES, COMBINED SEWER OVERFLOW (CSO) MONITORING, SAMPLING AND REPORTING ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, IN AN AMOUNT NOT TO EXCEED THREE HUNDRED ELEVEN THOUSAND NINE HUNDRED EIGHTY DOLLARS AND NO CENTS (\$311,980.00); ALL CONTRACTED WORK WILL BE CHARGED TO AND PAID FROM FUND, ACCOUNT AND CENTER NUMBER 2J01 (WATER & WASTEWATER REVENUE FUND) 523001 (SEWER/REPAIR/MAINTENANCE CONTRACT) Q31001 (WATERSHED SECURITY); AND FOR OTHER PURPOSES.

Council Meeting Date: August 20, 2007

Requesting Dept.: Watershed Management

B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

The purpose of this legislation is to seek approval for issuance of Notice to Proceed for Task Order under FC-7619-03F, Annual Contract for Architectural and with SHAW ENVIRONMENTAL INC/AIM PLC .

2. Please provide background information regarding this legislation.

The Annual Contract for Architectural and Engineering Services is a city wide agreement entered into to provide professional consulting services which shall be inconclusive of customary sanitary, civil, mechanical, electrical, architectural, control

instrumentation, geotechnical and structural engineering, easement and real estate acquisition services, contract administration, inspection services incidental thereto. This project is designed to provide the necessary personnel, equipment and supplies to monitor, sample and report on the overflow events that occur at the City of Atlanta - DWM CSO facilities for the purpose of compliance with the National Pollutant Discharge Eliminations System (NPDES) in accordance with permits as issued by the Georgia Environmental Protection Division.

3. If Applicable/Known:

(a) **Contract Type (e.g. Professional Services, Construction Agreement, etc):** Professional Services

(b) **Source Selection:**

(c) **Bids/Proposals Due:**

(d) **Invitations Issued:**

(e) **Number of Bids:**

(f) **Proposals Received:**

(g) **Bidders/Proponents:**

(h) **Term of Contract:** 2 years w/3 One (1) year renewals

4. Fund Account Center (Ex. Name and number): \$311,980.00 2J01 (WATER & WASTEWATER REVENUE FUND) 523001 (SERV/REPAIR/MAINT CONT) Q31001 (WATERSHED SECURITY)

Fund: _____ **Account:** _____ **Center:** _____

5. Source of Funds: Example: Local Assistance Grant

6. Fiscal Impact: \$311,980.00 2J01 (WATER & WASTEWATER REVENUE FUND) 523001 (SERV/REPAIR/MAINT CONT) Q31001 (WATERSHED SECURITY)

7. Method of Cost Recovery:

This Legislative Request Form Was Prepared By: Willie Canidate

**COMBINED SEWER OVERFLOW (CSO) MONITORING, SAMPLING
LEGISLATIVE SUMMARY**

TO: CITY UTILITIES COMMITTEE

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A NOTICE TO PROCEED TO SHAW ENVIRONMENTAL, INC/AIM, PLC FOR FC-7619-03F, CITY WIDE ANNUAL CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES, COMBINED SEWER OVERFLOW (CSO) MONITORING, SAMPLING AND REPORTING ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, IN AN AMOUNT NOT TO EXCEED THREE HUNDRED ELEVEN THOUSAND NINE HUNDRED EIGHTY DOLLARS AND NO CENTS (\$311,980.00); ALL CONTRACTED WORK WILL BE CHARGED TO AND PAID FROM FUND, ACCOUNT AND CENTER NUMBER 2J01 (WATER & WASTEWATER REVENUE FUND) 523001 (SEWER/REPAIR/MAINTENANCE CONTRACT) Q31001 (WATERSHED SECURITY); AND FOR OTHER PURPOSES.

Committee Meeting Date: August 28, 2007

Council Meeting Date: September 4, 2007

Legislation Title: COMBINED SEWER OVERFLOW (CSO)
MONITORING, SAMPLING

Requesting Dept.: Department of Watershed Management

Contract Type: Professional Services RFP

Advertisement: October 26, 2003

Bids/Proposals Due: January 7, 2004

Invitations Mailed: 146

Bids/Proposals Received: 12

Arcadis/BPA-(Brindley Pieters & Associates) – Joint Venture
Atlanta Architects & Engineers, Joint Venture
Atlanta Services Group, a Joint Venture
Infrastructure Partners-Joint Venture (B & Jackson/ HDR/
Malcom Pirnie)
Brown and Caldwell/Deloan Hampton & Associates/Long
Engineering Inc. - Joint Venture
CH2M Hill/Williams-Russell and Johnson – Joint Venture
Earthtech/IMCo Joint Venture
HTL - Harrington, Tetra Tech & Lowe-Joint Venture
JP² (Jacobs, Prad, PBS&J) – Joint Venture
Metcalf & Eddy/Cardozo Engineering-Joint Venture
Parsons Brinckerhoff & Khafra-Joint Venture
Shaw Environmental Inc. /AIM Partners, PLC- JV

Bidders/Proponents:

- (1) CH2M Hill/Williams-Russell and Johnson
 - (2) Atlanta Services Group
 - (3) JP2 (Jacobs, Prad, PBS&J)
 - (4) Shaw/ Aim, Joint Venture
 - (5) Metcalf & Eddy/Cardozo Engineering, Joint Venture
 - (6) Arcadis/Brindley Pieters & Associates, Joint Venture
-

Contractor:

Shaw Environmental Inc. /AIM Partners, PLC- JV

Estimated Value:

\$311,980.00

Scope Summary:

SHAW/AIM WILL PERFORM THE MONITORING, SAMPLING AND REPORTING TASKS NECESSARY FOR COMPLIANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATIONS SYSTEM (NPDES) PERMITS AND THE CITY OF ATLANTA'S CONSENT DECREE AGREEMENT WITH THE ENVIRONMENTAL PROTECTION DIVISION OF THE GEORGIA DEPARTMENT OF NATURAL RESOURCES (GA EPD)

Background:

Original executed on June 1, 2004, expired on May 31, 2006

A Ninety Day extension was executed on May 22, 2006 and expired September 1, 2006

Renewal Agreement No. 1 effective term from September 02, 2006 to September 01, 2007

Renewal Agreement No. 2, effective term from September 02, 2007 to September 01, 2008

Evaluation Team:

DPRCA, DWM, DPW, DPCD, OCC and Risk Management

Term of Contract:

Two (2) years with an option to renew for three (3) one (1) year periods

Fund Account Centers:

2J01 (WATER & WASTEWATER REVENUE
FUND) 523001
(SEWER/REPAIR/MAINTENANCE CONTRACT)
Q31001 (WATERSHED SECURITY)

Prepared By:

Anthony Stanley

Contact Number: 404-330-6384

**Project
Participation:**

<u>Shaw Environmental & Infrastructure, Inc./AIM</u>		
<u>Partners, PLC a JV (15 pts.)</u>		
AIM Partners	AABE	20%
Benchmark Management, LLC	AABE	5%
Cheeks/Hornbein Architects	AABE	5%
The Mosby Law Group	AABE	2%
Precision Engineering & Surveying	AABE	2%
Neil Engineering, Inc.	FBE	10%
<u>Environmental Resource Services, Inc.</u>	<u>FBE</u>	<u>4%</u>
Participation Total		48%

CITY OF ATLANTA
DEPT. OF PROCUREMENT



07 AUG -1 PM 4:56
CITY OF ATLANTA

SHIRLEY FRANKLIN
MAYOR

55 TRINITY AVENUE SW, SUITE 5400
ATLANTA, GEORGIA 30303-0312
OFFICE (404) 330-6081
FAX (404) 658-7194

DEPARTMENT OF
WATERSHED MANAGEMENT
ROBERT J. HUNTER
COMMISSIONER

TO: Adam L. Smith, Chief Procurement Officer, DOP

FROM: Robert J. Hunter, Commissioner, DWM

Robert J. Hunter

DATE: July 18, 2007

RE: REQUEST FOR PROCESSING TRANSMITTAL FORM

The Department of Watershed Management is forwarding the following for processing:

Project: **TASK ORDER, A/E SERVICES CSO SAMPLING, MONITORING AND REPORTING**

SERVICES

Contractor: **SHAW ENVIRONMENTAL INC/AIM PLC.**

FC #

7619-03F

Terms:

☐ Technical Specifications (Hard Copy)

☐ Project Statement

☐ Est: **\$311,980.00**

☐ Drawings

☒ Requisition: **Q3108001**

☐ (FAC #) **2J01 523001 Q31001**

☐ (FAC #)

☐ Adver. Requisition:

☐ (FAC #)

☐ Other:

☒ Project Manager & Phone No.

DAVID ST. PIERRE (404) 635-2645

☒ DWM Procurement Div. Contact

WILLIE CANIDATE (404) 330-6335

☐ Special Instructions:

For Bid/Proposal documents, after the Department of Procurement has reviewed said documents, Watershed understands that we can expect confirmation of this transmittal within two (2) working days. A project meeting will be scheduled and the project calendar set.

/wc

Attachment(s)

c: Sheila Pierce, Deputy Commissioner, DWM
Cathy Martin, Deputy Chief Procurement Officer, DOP
David St. Pierre, Deputy Commissioner, DWM
Sammy Goodson, Deputy Commissioner
Willie Canidate, Contracting Officer Sr., DWM
Theresa Stewart, Legislative Counsel, DOF

Q3108001

CONT

589

SHIP TO CODE 134

2J01

523001

Q31001

FUND

ACCOUNT

CENTER

DATE NEEDED

TOTAL

SHAW ENVIRONMENTAL
INC/AIM PLC

Q3508

WATERSHED MANAGEMENT

BUREAU

GEORGE BARNES

DATE COMPLETED

7/16/2007

PHONE # (404) 865-8447

The undersigned certifies that funds are available at the budget adoption level for all items.

AUTHORIZED SIGNATURE

DATE _____

7-30-200

Computer Equipment

DOP USE ONLY

BUYER ID

FINANCE USE ONLY

DIT USE ONLY

Approve

Disapprove

REQ. ENTERED BY

~~SIGNATURE~~

FAC APPROVAL

SIGNATURE

SIGNATURE

DATE _____

DATE _____

DATE _____



SHIRLEY FRANKLIN
MAYOR

CITY OF ATLANTA
55 TRINITY AVENUE., SW, SUITE 5400, SOUTH BLDG.
ATLANTA, GEORGIA 30303-0324
OFFICE (404) 330-6081
FAX (404) 658-7194

DEPARTMENT OF
WATERSHED MANAGEMENT
ROBERT J. HUNTER
Commissioner

July 26, 2007

TO: Adam Smith, Chief Procurement Officer
Department of Procurement

FROM: Robert J. Hunter, Commissioner
Department of Watershed Management

RE: LEGISLATIVE REQUEST
FC-7619-03F, Annual Contract for Architectural and Engineering
-Task Order, Task Order for Combined Sewer Overflow (CSO) Monitoring,
Sampling, and Reporting

Contractor: SHAW ENVIRONMENTAL INC/AIM PLC

Please prepare appropriate legislation (**Cycle -13, August 20, 2007**) for the above referenced contract with Shaw Environmental, Inc./Aim PLC, in an amount not to exceed \$311,980.00 to be paid from fund, account and center number 2J01 523001 Q31001.

All contract terms, conditions, stipulations of the original contract shall remain the same.

If you have any questions concerning this matter, please feel free to contact Sheila Pierce, at (404) 330-6814 or Willie Canidate, Contracting Officer, Sr., at (404) 330-6335.

Your assistance in this matter is requested and appreciated.

/wc

c: Sheila Pierce, Deputy Commissioner, DWM
David St. Pierre, Deputy Commissioner, DWM
Cathy Martin, Deputy Chief Procurement Officer, DOP
Maisha Land, Legislative Liaison, DWM
Theresa Stewart, Legislative Counsel, DOL
Willie Canidate, Contracting Officer, Sr., DWM
File



Shaw-AIM, JV

11560 Great Oaks Way, Suite 500
Alpharetta, Georgia 30022-2424
770-663-1433 Tel.
770-777-8165 Fax

May 15, 2007

Mr. Alan Stillwell, Director
City of Atlanta
Bureau of Wastewater Treatment & Collection
360 Englewood Avenue, S.E.
Atlanta, Georgia 30315

Re: Contract FC-7619-03F, Combined Sewer Overflow (CSO) Monitoring, Sampling and Reports

We are pleased to provide to you our estimate for the scope of work entitled, "Combined Sewer Overflow (CSO) Monitoring, Sampling and Reports."

The estimated cost provided is for work performed during a one year, 365-day period. We have used WBS codes in organizing the estimate with cost provided for five tasks.

Also included is a Basis of Estimate for each of the tasks. The Basis of Estimate provides a description of the work to be performed within each identified task.

Our total estimate for a one-year period is \$311,980 for the Combined Sewer Overflow Monitoring, Sampling and Reports work.

Currently, the East Area CSO personnel draft the monthly reports for their respective CSO facilities. We would like to offer an option of expanding the current scope of work to include preparation of these reports as well at a cost estimate of \$20,425. The total cost estimate for a one-year period, which includes this option, is \$332,405. This work will be solely performed by our Shaw-AIM JV team member firm A&E Services (AES).

Our selected team member, AES, has successfully performed this work for the City of Atlanta for over four years. We look forward to the opportunity to continue this success in the future.

Please let us know if you would like to accept the option of East Area CSO preparation.

If you have any questions or require additional information, please contact me at (770) 663-1430, or by email at fred.wall@shawgroup.com. You may also contact our project manager, Karen Styes at (404) 564-1930 or by email at karens@aes-atl.com

Very truly yours,

SHAW-AIM JV

A handwritten signature in cursive script, reading "C. Wall".

C. Frederick Wall, P.E.
Program Manager

Enclosures

cc: M. Burman
K. Styes

Y. Davis
File

**City of Atlanta
Department of Watershed Management**

**Combined Sewer Overflow (CSO) Monitoring, Sampling and Reports
Scope of Work**

May 15, 2007

Alan Stillwell
Acting Deputy Commissioner
Watershed Management

CSO Monitoring, Sampling and Reports

General Description:

The Engineering Services described in this scope of work included the qualified personnel, equipment and supplies necessary to monitor, sample and provide required reports for the overflow events that occur at the City of Atlanta Department of Watershed Management CSO Facilities.

These facilities are identified as follows:

West Watershed – Monitoring, Sampling and Reports

1. Clear Creek
2. Tanyard Creek
3. North Avenue
4. Greensferry

East Watershed – Reports Only

1. Intrenchment Creek
2. Custer Avenue
3. McDaniel Street

The Consultant will perform the monitoring, sampling and reporting tasks necessary for compliance with the NPDES permits and the City of Atlanta's Consent Decree Agreement with the Environmental Protection Division of the Georgia Department of Natural Resources (GA EPD). This scope of work provides the descriptions of the monitoring, sampling and reporting tasks.

The Consultant will provide these services in accordance with the current National Pollutant Discharge Eliminations System (NPDES) permits issued by GA EPD. These

NPDES permits have been modified and the new NPDES permits are effective January 31, 2005. Copies of the current NPDES permits will be provided to the consultant.

Sampling Requirements:

The sampling protocols are to comply with the requirements of the CSO Consent Decree and the NPDES permits and allow personnel to collect samples either using the automatic sampling equipment or manual methods. The intention is to use the automatic sampling equipment and to generally conduct manual sampling only as a backup with necessary.

The purpose of the CSO NPDES sampling is to determine compliance with the facilities effluent limitations established by the permits. The Stipulated Penalty sampling is required to meet the requirements of the Consent Decree on a timely basis.

Samples must be collected by consultant at the effluent points of the CSO facilities and analyzed to characterize the quality of the water discharged during overflow events. This sampling should be by automatic sampler, but can be performed at the specified manual sampling points. The Consultant's analysis in the field will include testing for TRC, Temperature and pH. City of Atlanta Utoy Lab will perform laboratory analyses.

Detailed descriptions of the CSO Facilities and the sampling points are contained in the Sampling Plan.

Sampling of the CSO facility overflows may be required at anytime, 24 hours per day, 365 days per year. Consultant will maintain a staff of qualified and trained personnel needed to perform this work at times required by the permits.

The NPDES permits require the following for each CSO facility:

- Best efforts to sample one NPDES event per month.
- Twelve NPDES sampled events per year.
- Minimum of two NPDES sampled events per quarter.

A COS overflow event to be sampled is defined as an overflow lasting longer than 50 minutes in duration at least 48 hours after the previous CSO discharge of any duration has ended.

Samples from automatic samplers or manual grab samples are taken at the 50 minute mark of the overflow event, $t = 50$ minutes. This is to characterize the first flush of the CSO event.

The 50-minute Grab Sample is to be collected and analyzed for:

- | | |
|----------------------------|---------------------|
| 1. Temperature | (field measurement) |
| 2. pH | (field measurement) |
| 3. Total Residual Chlorine | (field measurement) |

- | | |
|------------------------------------|----------------|
| 4. Fecal Coliform | (lab analysis) |
| 5. Ammonia (Nitrogen) | (lab analysis) |
| 6. Biological Oxygen Demand (BOD) | (lab analysis) |
| 7. Total Phosphorus (TP) | (lab analysis) |
| 8. Total Suspended Solids (TSS) | (lab analysis) |

A Composite Sample is taken as a proportion of samples taken each hour starting at t = 50 + 1 hour for the first 24 hour period during the NPDES Event.

This Composite Sample will be collected and analyzed for:

- | | |
|------------------------------------|----------------|
| 1. Ammonia (Nitrogen) | (lab analysis) |
| 2. Biological Oxygen Demand (BOD) | (lab analysis) |
| 3. Total Phosphorus (TP) | (lab analysis) |
| 4. Total Suspended Solids (TSS) | (lab analysis) |
| 5. Total recoverable cadmium | (lab analysis) |
| 6. Total recoverable copper | (lab analysis) |
| 7. Total recoverable lead | (lab analysis) |
| 8. Total recoverable nickel | (lab analysis) |
| 9. Total recoverable zinc | (lab analysis) |

Fecal grab samples will be taken at the end of each 24 hours during long overflow events. Composite sampling will be completed at the end of the first 24 hours of the overflow event.

Failure to collect samples at required frequency, i.e., missed events will result in a Consent Decree mandated fine to the City of Atlanta of \$8,500 per event. Fines may also be imposed for failure to collect and analyze samples within sample holding times for any of sample events that occurs at any of the seven CSO facilities.

City of Atlanta holds the Consultant responsible for sample collection and transportation to the COA Utoy Laboratory of all required CSO discharge events on the four West Side CSO facilities, Clear Creek, Tanyard Creek, North Avenue and Greensferry.

Sampling Personnel Responsibilities:

Consultant must perform effectively the following requirements for each CSO sampling event:

- Observe weather conditions and forecasts anticipating rainfall resulting in CSO events.
- Respond to West CSO Facilities when either notified by COA paging system or rainfall indicates that events may be occurring.
- Report any CSO equipment operation problems to COA operations staff.
- Obtain required NPDES Fecal and Composite Samples.
- Obtain required Fecal Samples at non-NPDES events.

- Complete field book notations for each event.
- Complete Chain of Custody information for each event.
- Communicate with Utoy Lab and deliver samples within 6-hour time period for Fecal samples, 24 hour maximum for Composite Samples.
- Determine from Utoy Lab after 48 hours results of Fecal Tests.
- Immediately report any Fecal limits exceeded to Department of Watershed Management.
- After each event clean and maintain automatic sampling equipment.
- Periodically calibrate pH, temperature and TRC devices.
- Prepare Sample Bottles and labels prior to each event.
- Prepare blank Chain of Custody forms prior to each event.
- Maintain supply of sample bottles and equipment required for sampling.

Fecal Samples will be placed in 100 mL HDPE (sterile) containers with a proper preservative provided by supplier of Fecal Sample Container.

NPDES Grab and Composite samples will each be placed in disposable 4-liter HDPE containers and kept at a temperature below 4 degrees Celsius for transportation to Utoy Laboratory.

Field Equipment:

Consultant will provide the following equipment and supplies. These items will be payable to Consultant as Other Direct Costs (ODC):

- Mileage allowance for use of vehicles.
- Cost of pagers and paging service.
- Sample containers required, disposable.
- One temp/pH meter at each facility.
- One HACH Colorimeter Kit for TRC measurement at each facility.
- One package of DPD reagent powder pillows for TRC at each facility.
- Two-gallon bucket and rope for manual samples.
- One field book for each facility.
- Indelible ballpoint pens.
- Ice chest with ice at each facility.
- Box of latex gloves at each facility.
- 1 mL pipettes at each facility, disposable.

Laboratory Collaboration:

Consultants sampling team leader will be responsible for notifying City of Atlanta Utoy Laboratory personnel when weather forecasts indicate that there will be a sampling event that occurs on the weekend or when samples will be delivered to laboratory after hours.

Fecal samples must be delivered to the laboratory within 6 hours of the collection time. This is to allow laboratory personnel time to start the analysis within the required 8 hours of the collection time.

There is an exception: When Fecal samples are collected after midnight, 00:01 AM, Fecal Samples will be delivered to the Utoy Lab at 07:00 AM, 7 hours later. This is the normal opening time for the lab. In this situation, Utoy Lab personnel will expedite the start of the analysis.

Fecal samples that are collected after normal hours on weekdays and before midnight will require close collaboration between the Consultant and Utoy Lab personnel in order to have Laboratory Staff dispatched at the most efficient time for the delivery of the Fecal Samples.

Consultant will be especially aware of COA holiday schedules and communicate effectively with Utoy Lab personnel for efficient utilization of COA staff when samples require analysis during these holiday time periods.

Consultant will obtain test results from Utoy Lab personnel – reports from the LIMS database. Those test results will be used by the Consultant in the preparation of the Monthly and Quarterly Reports.

Data Management:

Consultant will maintain in their offices the following information;

- Field Books and Field Data from events.
- Copies of Chain of Custodies for each event.
- Sample Event List.
- Copies of test results from COA laboratory.
- Copies of event reports generated by COA Operating Department.
- Copies of monthly reports for each day and 10 minute daily rainfall reports provided by COA from facility rain gauges.
- Notebooks containing Monthly DMRs and Quarterly Reports, Attachment A.

Reporting Procedures:

Monthly Discharge Monitoring Reports (DMR)

Consultant will prepare a separate DMR for each of West CSO Facilities. These DMRs will be transmitted to John Simmons at RM Clayton Reclamation Plant by the tenth day of the month following the month being reported. Consultant is responsible for collecting, reviewing for accuracy, summarizing and incorporating all appropriate data into the DMRs using the appropriate DMR Formats.

Discharge Monitoring Reports include the following data;

- Indication of each date during month where overflow events at facilities occurred.
- Rainfall Data for each day of the month.
- Fecal Coliform Counts for each sampled discharge event.
- Effluent Data for the NPDES Grab and Composite samples.
- Effluent Data for up to three more Consent Decree sampling events.

Quarterly Report – Attachment A

Attachment A is the Summary of CSOs in Reporting Period. It is an attachment to the Quarterly Report submitted to the EPA in compliance with the Consent Decree. Consultant will prepare and submit the completed Attachment A by the tenth of the month following the end of the calendar quarter being reported.

Attachment A to the Quarterly Report includes the following information assembled for all seven of the City of Atlanta CSO Facilities:

- Date of EACH overflow – sampled overflow events are indicated in Bold.
- Duration of overflow event in hours and minutes.
- Rainfall associated with each event from 10-minute interval data.
- Volume of Sodium Hypo chlorite Dosed in gallons.
- Volume of CSO Discharge and Bypass in kgallons.
- Fecal Count (#/ 100 mL) for sampled events.
- TRC (mg/L) for sampled events.

Notice of Fecal Violation

In the event that the City of Atlanta Utoy Lab reports a Fecal Count that exceeds the limits contained in the Consent Decree of NPDES Permit it is critical that the Consultant notify City of Atlanta Project Manager immediately. This allows the process within City of Atlanta Department of Watershed Management to have legislation prepared for the Utility Committee and City Council to approve the payment of fines within stipulated time period.

Consultant will review procedures and records of the event to determine whether all procedures for sampling, testing and reporting were properly executed. Consultant will, if possible, determine the cause of the fecal violation.

Quality Assurance:

In order to assure accurate results and proper sampling procedures, QA / QC checks will be implemented by the Consultant.

Field Sample QA / QC

Regular lab analyses will be validated by comparison with analyses of duplicate grab and composite samples. Duplicates will be collected every twelfth set of samples. Duplicate samples will be collected by interrupting the automatic sampler program and manually instructing sampler to collect the volume required.

TRC and pH QA / QC

To ensure that the colorimeter is accurate, duplicate samples will be prepared and analyzed for every twelfth field TRC analysis. Results will be recorded in the field book. Calibration of the colorimeter is to be performed month and recorded in the field book.

The pH sensor on the YSI probe should be calibrated quarterly. Use of handheld field pH and Temperature probes are also acceptable.

Equipment Blank QA / QC

Field QA / QC procedures will be implemented to ensure adequate decontamination of equipment and will be collected every twelfth sampling event for each automatic sampler. Consultant will prepare a composite sampling according to the composite sampling collection methods utilizing De-ionized (DI) water in place of sampled water. DI water will be dispensed into carousel of decontaminated wedges and divided into a composite sample in a clean 4-liter container for testing by COA Utoy Laboratory. Pertinent equipment blank sample data will be recorded in the field book.

Health and Safety:

Consultant will incorporate requirements specific to CSO facilities sampling and field operations into the Consultant's Current Health and Safety Procedures that are in effect for Engineering Services for City of Atlanta.

Specific items to be addressed for CSOs include:

- Hygiene and use of latex gloves including frequent washing of hands.
- Driving during adverse weather conditions including heavy rains, winds, and sleet and snow.
- Proper lighting in care in walking slippery slopes during manual sampling.
- Required equipment including flashlight and first aid kit.
- Communication of safety reminders and precautions by cell phone with other field personnel during events.
- Safety discussions during each field-sampling event.
- Written communication with involved personnel of newly identified safety issues or concerns, i.e. new construction at CSO facilities.

COST ESTIMATE

BASE SCOPE

LEVEL REPORT 1

Title
Subject
Author
Manager

<u>LEVEL DESCRIPTION</u>	<u>HOURS</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>
- A-01-00000 COA--CSO Sampling	3,116	\$311,980	\$0	\$0	\$0	\$311,980
A-01-11000 Sampling and Monit	1,707	\$166,199	\$0	\$0	\$0	\$166,199
A-01-12000 Lab. Deliveries\Ch	334	\$32,229	\$0	\$0	\$0	\$32,229
A-01-13000 Equip. Prep & Main	224	\$22,100	\$0	\$0	\$0	\$22,100
A-01-14000 Reports Prep--Data	649	\$68,684	\$0	\$0	\$0	\$68,684
A-01-15000 QAIQC	202	\$22,769	\$0	\$0	\$0	\$22,769

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DETAIL REPORT NO.1B
Reported From: A-01-00000 COA-CSO Sampling
Report Total: \$311,980

Title
Subject
Author
Manager

LEVEL	QTY	Hrs	Crew/ProdFact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TAXES	DIRECT COST	SUB MU	PRIME MU	TOTAL
A-01-11000 Sampling and Monitoring Events												
00009H Engineer 4	U.C. per mnhr → 423	423	1	00009H 83.46 \$35,304	\$0	\$0	\$0	\$0	83.46 \$35,304	\$0	\$0	83.46 \$35,304
00010H Engineer 5	U.C. per mnhr → 461	461	1	00010H 100.13 \$46,160	\$0	\$0	\$0	\$0	100.13 \$46,160	\$0	\$0	100.13 \$46,160
00012H Engineer 7	U.C. per mnhr → 355	355	1	00012H 150.14 \$53,300	\$0	\$0	\$0	\$0	150.14 \$53,300	\$0	\$0	150.14 \$53,300
00015H Designer 2	U.C. per mnhr → 468	468	1	00015H 67.17 \$31,436	\$0	\$0	\$0	\$0	67.17 \$31,436	\$0	\$0	67.17 \$31,436
TOTAL A-01-11000 Sampling and Monitoring Events				1,707	\$166,199	\$0	\$0	\$0	\$166,199	\$0	\$0	\$166,199

Estimate Tree Structure Rollups
A-01-00000 COA-CSO Sampling

A-01-12000 Lab. Deliveries\Chain of Custody												
00009H Engineer 4	U.C. per mnhr → 93	93	1	00009H 83.46 \$7,762	\$0	\$0	\$0	\$0	83.46 \$7,762	\$0	\$0	83.46 \$7,762
00010H Engineer 5	U.C. per mnhr → 80	80	1	00010H 100.13 \$8,010	\$0	\$0	\$0	\$0	100.13 \$8,010	\$0	\$0	100.13 \$8,010
00012H Engineer 7	U.C. per mnhr → 68	68	1	00012H 150.14 \$10,210	\$0	\$0	\$0	\$0	150.14 \$10,210	\$0	\$0	150.14 \$10,210
00015H Designer 2	U.C. per mnhr → 93	93	1	00015H 67.17 \$6,247	\$0	\$0	\$0	\$0	67.17 \$6,247	\$0	\$0	67.17 \$6,247
TOTAL A-01-12000 Lab. Deliveries\Chain of Custody				334	\$32,229	\$0	\$0	\$0	\$32,229	\$0	\$0	\$32,229

Estimate Tree Structure Rollups
A-01-00000 COA-CSO Sampling

A-01-13000 Equip. Prep & Maint.												
00009H Engineer 4	U.C. per mnhr → 55	55	1	00009H 83.46 \$4,590	\$0	\$0	\$0	\$0	83.46 \$4,590	\$0	\$0	83.46 \$4,590

Company

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Success Estimating and Cost Management System

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Title
Subject
Author
Manager

DETAIL REPORT NO.1B
Reported From: A-01-00000 COA--CSO Sampling
Report Total: \$311,980

LEVEL	QTY	Hrs	Crew/Prod/Fact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TAXES	DIRECT COST	SUB MIU	PRIME MIU	TOTAL
A-01-13000 Equip. Prep & Maint.												
Sub: Env-AES												
00010H Engineer 5	U.C. per mmhr -->	66	1	00010H 1,000					100.13 \$6,809	\$0	\$0	100.13 \$6,809
00012H Engineer 7	U.C. per mmhr -->	48	1	00012H 1,000					150.14 \$7,207	\$0	\$0	150.14 \$7,207
00015H Designer 2	U.C. per mmhr -->	55	1	00015H 1,000					67.17 \$3,694	\$0	\$0	67.17 \$3,694
				Tree Depth= 2								
TOTAL A-01-13000 Equip. Prep & Maint.				224					\$22,100	\$0	\$0	\$22,100

Estimate Tree Structure Rollups
A-01-00000 COA--CSO Sampling

A-01-14000 Reports Prep--Data Management

00009H Engineer 4	U.C. per mmhr -->	104	1	00009H 1,000					83.46 \$8,680	\$0	\$0	83.46 \$8,680
00010H Engineer 5	U.C. per mmhr -->	370	1	00010H 1,000					100.13 \$37,048	\$0	\$0	100.13 \$37,048
00012H Engineer 7	U.C. per mmhr -->	135	1	00012H 1,000					150.14 \$20,269	\$0	\$0	150.14 \$20,269
00015H Designer 2	U.C. per mmhr -->	40	1	00015H 1,000					67.17 \$2,687	\$0	\$0	67.17 \$2,687
				Tree Depth= 2								
TOTAL A-01-14000 Reports Prep--Data Management				649					\$68,684	\$0	\$0	\$68,684

Estimate Tree Structure Rollups
A-01-00000 COA--CSO Sampling

A-01-15000 QA/QC

00009H Engineer 4	U.C. per mmhr -->	16	1	00009H 1,000					83.46 \$1,335	\$0	\$0	83.46 \$1,335
00010H Engineer 5	U.C. per mmhr -->	90	1	00010H 1,000					100.13 \$9,012	\$0	\$0	100.13 \$9,012
				Tree Depth= 2								
TOTAL A-01-15000 QA/QC				106					\$10,347	\$0	\$0	\$10,347

Company

05/14/2007

Title
Subject
Author
Manager

DETAIL REPORT NO.1B Reported From: A-01-00000 COA-CSO Sampling Report Total: \$311,980

LEVEL	QTY	Hrs	Crew/ProdFact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TAXES	DIRECT COST	SUB MU	PRIME MU	TOTAL
A-01-15000 QAIQC Sub: Env-AES 00012H Engineer 7 U.C. per mnhr -> 72 1 00012H 1,000 150.14 72 \$10,810 \$0 \$0 \$0 150.14 Tree Depth= 2 \$10,810 \$0 \$0 \$0 \$10,810 \$0												
00015H Designer 2 U.C. per mnhr -> 24 1 00015H 1,000 67.17 24 \$1,612 \$0 \$0 \$0 67.17 \$1,612 \$0 \$0 \$0 \$1,612 \$0												
TOTAL A-01-15000 QAIQC 202 \$22,769 \$0 \$0 \$0 \$22,769 \$0 \$0 \$22,769 \$0 \$0 \$22,769												

\$311,980

CONTRACTOR SUMMARY
 Reported From: A-01-00000 COA-CSO Sampling
 Report Total: \$311,980

<u>DESCRIPTION</u>	<u>QTY</u>	<u>Hrs</u>	<u>Crew</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>
Env-AES AES								
SubtotalEnv-AES AES		3,116		\$311,980	\$0	\$0	\$0	\$311,980

Percent of Total: 100.00%

Title
Subject
Author
Manager

LABOR RESOURCE REPORT
Reported From: A-01-00000 COA-CSO Sampling

Code	Description	Base Rate \$/Hr	Extended Rate \$/Hr	Hours	Crew Adjustments	Direct Cost Labor	Total Cost Labor
00009H	Engineer 4	\$83.46	\$83.46	691	\$0	\$57,671	\$57,671
00010H	Engineer 5	\$100.13	\$100.13	1,067	\$0	\$106,839	\$106,839
00012H	Engineer 7	\$150.14	\$150.14	678	\$0	\$101,795	\$101,795
00015H	Designer 2	\$67.17	\$67.17	680	\$0	\$45,676	\$45,676
Total Labor Cost				3,116	\$0	\$311,980	\$311,980

Company

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COST ESTIMATE

OPTIONAL SCOPE

LEVEL REPORT 1

Title
Subject
Author
Manager

<u>LEVEL DESCRIPTION</u>	<u>HOURS</u>	<u>LABOR</u>	<u>MATERIAL</u>	<u>EQUIPMENT</u>	<u>OTHERS</u>	<u>TOTAL</u>
<u>- B-01-00000 East Area CSO Report</u>	192	\$20,425	\$0	\$0	\$0	\$20,425
B-01-14000 Reports Prep--Data	156	\$16,220	\$0	\$0	\$0	\$16,220
B-01-15000 QA/QC	36	\$4,205	\$0	\$0	\$0	\$4,205

Company

05/14/2007

Page No. 1

Title
Subject
Author
Manager

DETAIL REPORT NO.1B

Reported From: B-01-00000 East Area CSO Reports
Report Total: \$20,425

LEVEL	QTY	Hrs	Crew/ProdFact	LABOR	MATERIAL	EQUIPMENT	OTHERS	TAXES	DIRECT COST	SUB MIU	PRIME MIU	TOTAL
B-01-14000 Reports Prep--Data Management												
00010H Engineer 5	U.C. per mnhr -->	144	1	00010H 1,000	100.13 \$14,419	\$0	\$0	\$0	100.13 \$14,419	\$0	\$0	100.13 \$14,419
00012H Engineer 7	U.C. per mnhr -->	12	1	00012H 1,000	150.14 \$1,802	\$0	\$0	\$0	150.14 \$1,802	\$0	\$0	150.14 \$1,802
TOTAL B-01-14000 Reports Prep--Data Management				156	\$16,220	\$0	\$0	\$0	\$16,220	\$0	\$0	\$16,220
B-01-15000 QA/QC												
00010H Engineer 5	U.C. per mnhr -->	24	1	00010H 1,000	100.13 \$2,403	\$0	\$0	\$0	100.13 \$2,403	\$0	\$0	100.13 \$2,403
00012H Engineer 7	U.C. per mnhr -->	12	1	00012H 1,000	150.14 \$1,802	\$0	\$0	\$0	150.14 \$1,802	\$0	\$0	150.14 \$1,802
TOTAL B-01-15000 QA/QC				36	\$4,205	\$0	\$0	\$0	\$4,205	\$0	\$0	\$4,205

B-01-14000 Reports Prep--Data Management

Sub: Env-AES
U.C. per mnhr --> 144 1 00010H 1,000 100.13 \$14,419 \$0 \$0 \$0 100.13 \$14,419
Sub: Env-AES
U.C. per mnhr --> 12 1 00012H 1,000 150.14 \$1,802 \$0 \$0 \$0 150.14 \$1,802

TOTAL B-01-14000 Reports Prep--Data Management

Estimate Tree Structure Rollups
B-01-00000 East Area CSO Reports

B-01-15000 QA/QC

Sub: Env-AES
U.C. per mnhr --> 24 1 00010H 1,000 100.13 \$2,403 \$0 \$0 \$0 100.13 \$2,403
Sub: Env-AES
U.C. per mnhr --> 12 1 00012H 1,000 150.14 \$1,802 \$0 \$0 \$0 150.14 \$1,802

TOTAL B-01-15000 QA/QC

Company

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Success Estimating and Cost Management System

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Title
Subject
Author
Manager

LABOR RESOURCE REPORT

Reported From: B-01-00000 East Area CSO Reports

Code	Description	Base Rate \$/Hr	Extended Rate \$/Hr	Hours	Crew Adjustments	Direct Cost Labor	Total Cost Labor
00009H	Engineer 4	\$83.46	\$83.46	0	\$0	\$0	\$0
00010H	Engineer 5	\$100.13	\$100.13	168	\$0	\$16,822	\$16,822
00012H	Engineer 7	\$150.14	\$150.14	24	\$0	\$3,603	\$3,603
00015H	Designer 2	\$67.17	\$67.17	0	\$0	\$0	\$0
Total Labor Cost				192	\$0	\$20,425	\$20,425

Company

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Success Estimating and Cost Management System

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CONTRACTOR SUMMARY

Reported From: B-01-00000 East Area CSO Reports
Report Total: \$20,425

DESCRIPTION	QTY	Hrs	Crew	LABOR	MATERIAL	EQUIPMENT	OTHERS	TOTAL
Env-AES AES				Percent of Total: 100.00%				
SubtotalEnv-AES AES		192		\$20,425	\$0	\$0	\$0	\$20,425

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE

ATTN: GREG PRIDGEON

Department's Legislative Liaison Maisha L. Wood

Contact Number: x6887

Originating Department: Watershed Management

Committee(s) of Purview: City Utilities

Council Deadline: August 20, 2007

Anticipated Committee Meeting Date(s): August 28, 2007

Anticipated Full Council Date: September 4, 2007

Legislative Counsel (Signature): M. Theresa Stewart

Commissioner Signature Robert J. Hunter JCP

Chief Procurement Officer Signature: Adam R. Smith

CAPTION

A RESOLUTION

BY CITY UTILITIES COMMITTEE

A RESOLUTION AUTHORIZING THE MAYOR TO ISSUE A NOTICE TO PROCEED TO SHAW ENVIRONMENTAL, INC/AIM, PLC FOR FC-7619-03F, CITY WIDE ANNUAL CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES, COMBINED SEWER OVERFLOW (CSO) MONITORING, SAMPLING AND REPORTING ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT, IN AN AMOUNT NOT TO EXCEED THREE HUNDRED ELEVEN THOUSAND NINE HUNDRED EIGHTY DOLLARS AND NO CENTS (\$311,980.00); ALL CONTRACTED WORK WILL BE CHARGED TO AND PAID FROM FUND, ACCOUNT AND CENTER NUMBER 2J01 (WATER & WASTEWATER REVENUE FUND) 523001 (SEWER/REPAIR/MAINTENANCE CONTRACT) Q31001 (WATERSHED SECURITY); AND FOR OTHER PURPOSES.

FINANCIAL IMPACT (if any):

Mayor's Staff Only

Received by CPO: _____ Received by LC from CPO: _____
(date) (date)

Received by Mayor's Office: 8/17/07 Reviewed by: _____
(date) (date)

Submitted to Council: _____
(date)